

SECTION 07 26 00

VAPOR RETARDERS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Polyvinyl chloride membrane sheeting
- B. Adhesive
- C. Tape

1.02 RELATED SECTIONS

Aggregate drainage fill and sand cushion are specified in section 32 11 24 – Aggregate Drainage Layer.

1.03 MEASUREMENT AND PAYMENT

- A. General: Measurement and payment for vapor barrier will be either by the lump-sum method or by the unit-price method as determined by the listing of the bid item for vapor barrier indicated in the Bid Schedule of the Bid Form.
- B. Lump Sum: If the Bid Schedule indicates a lump sum for vapor barrier, the lump-sum method of measurement and payment will be in accordance with Section 01 20 00 - Price and Payment Procedures, Article 1.03.
- C. Unit Prices: If the Bid Schedule indicates a unit price for vapor barrier, the unit-price method of measurement and payment will be as follows:
 - 1. Measurement
 - a. Vapor barrier will be measured for payment by the square yard or square foot complete in place.
 - b. Adhesives, tape, and accessories will not be measured separately for payment; such items will be considered incidental to the vapor barrier installation and included in the measurement specified above.
 - 2. Payment: Vapor barrier will be paid for at the Contract unit price for the computed quantities as determined by the measurement method specified in Article 1.03.C.1.

1.04 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM D1593 Specification for Nonrigid Vinyl Chloride Plastic Sheeting
 - 2. ASTM D3083 Specification for Flexible Poly (Vinyl Chloride) Plastic Sheeting for Pond, Canal, and Reservoir Lining

1.05 SUBMITTALS

- A. General: Refer to Section 01 33 00 - Submittal Procedures, and Section 01 33 23 - Shop Drawings, Product Data, Samples, for submittal requirements and procedures.
- B. Samples: Submit representative samples of the polyvinyl chloride vapor barrier material, adhesive, and tape.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Vapor Barrier Sheeting: Polyvinyl chloride plastic membrane sheeting, meeting requirements of ASTM D1593 or ASTM D3083, 10 mils thick.
- B. Adhesive: Synthetic rubber base cement, manufactured specifically for use with poly-vinyl chloride membrane material for cold application.
- C. Tape: Pressure-sensitive neoprene or vinyl-chloride rubber adhesive tape as recommended by the manufacturer of the vapor barrier material or a heavy-duty cloth masking tape, minimum 3" wide; for sealing of laps and joints in vapor barrier sheets.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Lay vapor barrier sheets directly over compacted aggregate drainage fill (between compacted aggregate drainage fill and sand cushion) without damaging the sheets. Repair punctures and tears in vapor barrier sheets occurring during subsequent operations. Vapor barrier shall be continuous between footings or foundation walls, without voids.
- B. Lap edges not less than 4 inches and ends not less than 6 inches, with all laps sealed continuously with adhesive and tape.
- C. Turn up membrane a minimum of 2 inches or to within 1/2 inch of top of slab at edges and secure to wall foundations or footings with specified adhesive and tape.
- D. Fit and seal vapor barrier tightly around pipes and conduits that penetrate the fill.

END OF SECTION 07 26 00